



CITY OF HAYWARD

AGENDA REPORT

AGENDA DATE 12/14/99

AGENDA ITEM 3

WORK SESSION ITEM _____

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Walpert 250 Booster Pump Station and Walpert 250/500 Water Main- Approval of Plans and Specifications, and Call for Bids

RECOMMENDATION:

It is recommended that the City Council approve the attached resolution that approves the plans and specifications for Walpert 250 Booster Pump Station and the Walpert 250/500 Water Main, and calls for bids to be received on January 25, 2000.

BACKGROUND/DISCUSSION:

Water service to the Hayward hills is provided by a series of tanks (reservoirs), transmission mains and pump stations. The system is collectively referred to as the Highland Chain. The lower part of the Chain is aging and somewhat outdated. Size, reliability issues, and having adequate quantity and pressure to feed pump stations at higher elevations have become increasingly important concerns.

The City's Water Distribution System Master Plan, prepared in 1996, noted that the Highland Chain water system would have to be rehabilitated and upgraded to improve reliability, both for daily operations and for emergencies. As part of the Master Plan, a detailed study of the water system was performed and specific recommendations were made to improve the Highland Chain's capability and reliability. These recommendations were further refined in 1998 in preparation for the start of this project. It was determined that the most effective and efficient alternative for improving the lower part of the Chain would be to construct a new pipeline on Second Street and Campus Drive, between the South Walpert and 500 Reservoirs, and to install a primary pump station at South Walpert. This approach utilizes the large capacity of the South Walpert Reservoir (5.3 million gallons, as opposed to 1.0 million gallons at the 250 Reservoir), and provides a second connection between the lower level reservoirs and the Highland Chain. Equally as important, the water in the South Walpert Reservoir, which currently has low turn over (stays in the tank a long time), would, instead, be pumped up the Highland Chain, hence improving water quality. (See Exhibit A.)

Installation of the pipeline along Second Street and Campus Drive will significantly impact traffic flow during construction. Since Second Street is too narrow to allow construction and two-way traffic, the contractor must close a portion of the uphill lane of Second Street during work hours to create a work area. Each day, closure will be limited to a maximum length of 200

feet and radio equipped workers will control traffic at each end of the construction zone. Fortunately, Campus Drive is wide enough to maintain one lane of traffic in both directions while the pipeline is being constructed, which will minimize impacts during this portion of the work. Several specific measures are also being taken to reduce traffic impacts. Pipeline construction is to occur during mid-June to early September to avoid school and university traffic. Working at night was considered, however, that would cause further safety concerns, with a much longer project duration, as well as noise impacts to the residential area along Second Street and, therefore, is being avoided. An intensive public information program is planned to include newsletters to residents, which will also be posted on the City's Homepage, informational signage, and an information phone line similar to the measures used on the B Street Improvement project.

During design, it was determined that the best layout and access to the new pump station site at the Walpert Reservoir required purchase of a 50-foot strip of land owned by Caltrans that abuts the site's southern property line. In February 1999, Council authorized acquisition of this approximate 0.33-acre site from Caltrans. Since that time, City staff has been working with Caltrans on acquisition of the parcel. Caltrans previously indicated that the property was excess to the need for developing State Route 238. Caltrans has now completed their process of decertifying the parcel as right-of-way and has completed their appraisal, although a formal offer has not been received. Due to the State's processing requirements, completing the land transfer to Hayward prior to the beginning of construction does not appear likely. Caltrans has indicated that a Right of Entry would be granted to the City. According to Caltrans staff, a Right of Entry would allow occupation and construction to proceed until that time when the California Transportation Commission has approved the sale of this excess land, and Caltrans has actually transferred title to the City.

The Disadvantaged Business Enterprise (DBE) and Women Business Enterprise (WBE) goals for this project were established at 11 percent combined DBE/WBE. This goal was established through an analysis as to what portion of the subcontracting work would be reasonable to set aside for DBE or WBE participation. It is estimated that 43 percent of the subcontracting would have to be allocated to a DBE and/or WBE firm to meet this goal.

Project Cost:

The estimated costs for the two projects are as follows:

Construction Cost	\$3,850,000
Design and Administration	530,000
Land Acquisition	60,000
Inspection and Construction Surveys	150,000
Total	\$4,590,000

Funding:

A total of \$4,750,000 has been approved for these two projects in the Water system Capital Improvement Fund of the 1999/2000 Capital Improvement Program. A total of \$1,656,000 is projected to be reimbursed from Walpert Ridge developer contributions toward these two projects.

Schedule:

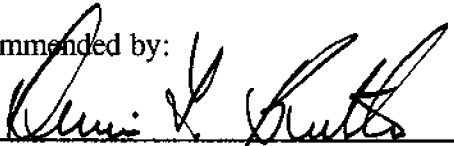
The following schedule has been developed for this project:

Open Bids	January 25, 2000
Award Construction Contract	February 22, 2000
Begin Construction	March 20, 2000
Construction completion	March 20, 2001

Prepared by:


Alex Ameri, Deputy Director of Public Works/Utilities

Recommended by:


Dennis L. Butler, Director of Public Works

Approved by:


Jesús Armas, City Manager

Attachments:

Exhibit A: Project Location Map

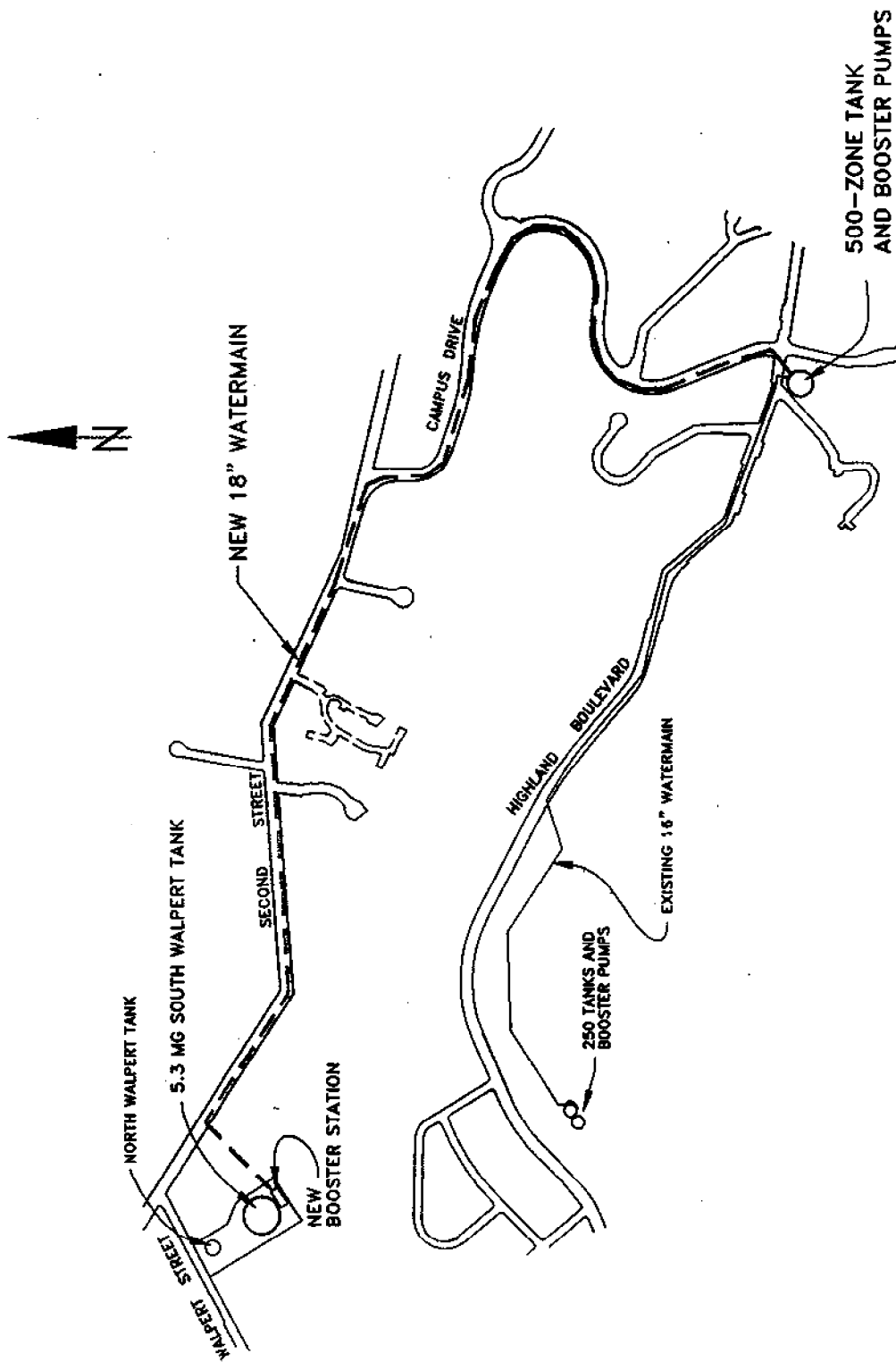


EXHIBIT A
PROJECT LOCATION

DRAFT

DM 12-9-85

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION APPROVING PLANS AND SPECIFICATIONS FOR THE WALPERT 250 BOOSTER PUMP STATION AND THE WALPERT 250/500 WATER MAIN, PROJECT NOS. 7105 AND 7123, AND CALL FOR BIDS

BE IT RESOLVED by the City Council of the City of Hayward as follows:

1. That those certain plans and specifications for the Walpert 250 Booster Pump Station and the Walpert 250/500 Water Main, Project Nos. 7105 and 7123, on file in the office of the City Clerk, are hereby adopted as the plans and specifications for the project;
2. That the City Clerk is hereby directed to cause a notice calling for bids for the required work and material to be made in the form and manner provided by law;
3. That sealed bids therefor will be received by the City Clerk's office at City Hall, 777 "B" Street, Hayward, California 94541-5007, up to the hour of 2:00 p.m. on Tuesday, January 25, 2000, and immediately thereafter publicly opened and declared by the City Clerk in the Public Works Conference Room, fourth floor, City Hall, Hayward, California; and
4. That the City Council will consider a report on the bids at a regular meeting following the aforesaid opening and declaration of same.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 1999

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward